**Subject**: Web Development **Lesson**: Responsive Website

**Class**: Grade 10 & 11 **Time**: 2 Sessions (100 minutes)

**Date**: 00/00/2018 **Teachers**: M.Al-Musawi, R.Damaj & R.Khalil

**Purpose of the Lesson:**

The main purpose of this lesson is to demonstrates the difference between responsive and non-responsive websites, and the importance of creating a responsive website.

**Objectives**:

After completing this lesson, you will:

1. Learn what is the difference between responsive and non-responsive websites.
2. Learn about the bootstrap Grid system.
3. Learn how to change the layout of the page depending on the size of the screen.

**Terms:**

Container, Row, Col-screenSize-ColumnLength.

**Session:**

1. Define Responsive Web-site.

Responsive Design is a design philosophy where in the design of the system (the representation and the layout) responds/adapts depending upon the layout of the device. The primary reason to keep your design responsive is to increase the reach of your application to a larger user base using an array of devices.

1. Define Bootstrap Grid System.

Bootstrap includes a responsive, mobile first fluid grid system that appropriately scales up to 12 columns as the device or viewport size increases. It includes [predefined classes](https://getbootstrap.com/docs/3.3/css/#grid-example-basic) for easy layout options, as well as powerful [mixing for generating more semantic layouts](https://getbootstrap.com/docs/3.3/css/#grid-less).

1. Grid System structure.

<div class="container-fluid">

<div class="row">

<div class="col-md-8"></div>

<div class="col-md-4"></div>

</div>

</div>

**Example :**

Example showing the difference between the responsive and non-responsive websites and how non-responsive can effect user-experience.



**Exercise:**

Create a webpage containing the following Grid.

**Requirements:**

1. Use Bootstrap.
2. Responsive Website.
3. Use hex color code.

